



Form 1449 (Modified)	Atty Docket No. PLUSP040	Application No.: 10/824,944
Information Disclosure Statement By Applicant	Applicant: Visco, et al.	Group 2811
(Use Several Sheets if Necessary)	Filing Date April 14, 2004	

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
TD	A1	5,648,187	07/15/97	Skotheim			
	A2	5,314,765	05/24/94	Bates			
	A3	4,981,672	01/01/91	De Neufville et al.			
	A4	6,025,094	02/2000	Visco, et al.			
	A5	5,342,710	08/30/94	Koksbang			
	A6	5,409,786	04/25/95	Bailey			
	A7	5,100,523	03/31/92	Helms et al.			
	A8	5,696,201	12/09/97	Cavalloni, et al.			
	A9	4,162,202	07/24/79	Dey			
	A10	5,455,126	10/03/95	Bates et al.			
	A11	5,338,625	08/16/94	Bates et al.			
	A12	5,597,660	01/28/97	Bates et al.			
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	A14	5,569,520	10/29/96	Bates			
	A15	5,512,147	04/30/96	Bates et al.			
	A16	5,567,210	10/22/96	Bates et al.			
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	A18	6,475,677 B1	11/05/02	Inda et al.			
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	A23	4,985,317	01/15/91	Adachi et al.			
	A24	6,402,795 B1	06/11/02	Chu et al.			
	A25	6,214,061 B1	04/10/01	Visco et al.			
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Foreign Patent or Published Foreign Patent Application

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							Yes	No
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TD	B2	0689260B1	04/21/99	EP				
TD	B3	0111214A2	11/23/83	EP				
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TD	C2	Anders et al., "Plasma is Produced Simply", R&D Research & Development, R&D Magazine, Vol. 39, No. 10, September 1997, www.rdmag.com , p. 65.
TD	C3	Steven D. Jones, et al., "Thin film rechargeable Li batteries", 1994, <u>Solid State Ionics</u>
TD	C4	J.B. Bates, et al., "Thin-film rechargeable lithium batteries," 1995, <u>Journal of Power Sources</u>
TD	C5	N. J. Dudney, et al., "Sputtering of lithium compounds for preparation of electrolyte thin films," 1992, <u>Solid State Ionics</u>
TD	C6	J. B. Bates, et al., "Electrical properties of amorphous lithium electrolyte thin films," 1992, <u>Solid State Ionics</u>
TD	C7	Xiaohua Yu, et al, "A Stable Thin-Film Lithium Electrolyte: Lithium Phosphorus Oxynitride," 02-97, <u>J. Electrochem. Soc.</u> , Vol 144, No. 2
TD	C8	Fu, Jie, "Fast Li+ Ion Conduction in Li2O-Al2O3-TiO2-SiO2-P2O5 Glass-Ceramics", Journal of the American Ceramics Society, Vol. 80, No. 7, July 1997, pp. 1-5.
TD	C9	Aono et al., "Ionic Conductivity of the Lithium Titanium Phosphate (Li _{1-x} M _x Ti _{2-x} (PO ₄) ₃ , M = Al, Sc, Y, and La) Systems", Dept. of Industrial Chemistry, pp. 590-591.
TD	C10	Aono, Hiromichi, "High Li+ Conducting Ceramics", Acc. Chem. Res. Vol. 27, No. 9, 1994, pp. 265-270.
TD	C11	Aono, et al., "Ionic Conductivity and Sinterability of Lithium Titanium Phosphate System", Solid State Ionics, 40/41 (1990), pp. 38-42.
TD	C12	Aono, et al., "Electrical properties and crystal structure of solid electrolyte based on lithium hafnium phosphate LiHf ₂ (PO ₄) ₃ ", Solid State Ionics 62 (1993), pp. 309-316.
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TD	A38	5,427,873	06/27/95	Shuster			
TD	A39	5,525,442	06/11/96	Shuster			
TD	A40	6,146,787	11/14/00	Harrup et al.			
TD	A41	5,510,209	04/23/96	Abraham et al.			
TD	A42	5,652,068	07/29/97	Shuster et al.			
TD	A43	5,665,481	09/09/97	Shuster et al.			
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TD	C14	Aono, et al., "Ionic Conductivity of $\beta\text{-Fe}_2(\text{SO}_4)_3$ Type $\text{Li}_3\text{Cr}_2(\text{PO}_4)_3$ Based Electrolyte", Chemistry Letters, 1993, pp. 2033-2036.
TD	C15	Aono, et al., "Ionic Conductivity of $\text{LiTi}_2(\text{PO}_4)_3$ Mixed with Lithium Salts", Chemistry Letters, 1990, pp. 331-334.
TD	C16	Fu, Jie, "Superionic conductivity of glass-ceramics in the system $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{TiO}_3-\text{P}_2\text{O}_5$ ", Solid State Ionics, 96 (1997), pp.195-200.
TD	C17	Fu, Jie, "Fast Li^+ ion conducting glass-ceramics in the system $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{GeO}_2-\text{P}_2\text{O}_5$ " Solid State Ionics 104 (1997), pp. 191-194.
TD	C18	Aono, et al., "DC Conductivity of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ " Ceramic with Li Electrodes", Chemistry Letters, 1991, pp. 1567-1570.
TD	C19	Aono, et al., "Electrical Properties of Sintered Lithium Titanium Phosphate Ceramics ($\text{Li}_{1+x}\text{M}_x\text{Ti}_{2-x}\text{PO}_4$), $\text{M}^{3+}=\text{Al}^{3+}, \text{Sc}^{3+}, \text{or Y}^{3+}$ ", Chemistry Letters, 1990, pp. 1825-1828.
TD	C20	Button, et al., "Structural disorder and enhanced ion transport in amorphous conductors", Solid State Ionics, Vols. 9-10, Part 1, December 1983, pp. 585-592 (abstract)
TD	C21	Shuster, Nicholas, "LithiumWater Power Source for Low Power – Long Duration Undersea Applications", Westinghouse Electric Corporation, 1990 IEEE, pp. 118-123.
TD	C22	VanVoorhis, et al., "Evaluation of Air Cathodes for Lithium/Air Batteries", Electrochemical Society Proceedings Volume 98-16, 1999, pp. 383-390.
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TD	C23	Blurton et al., "Metal/Air Batteries: Their Status and Potential – A Review", Journal of Power Sources, 4, (1979), pp. 263-279.
TD	C24	J. Read, "Characterization of the Lithium/Oxygen Organic Electrolyte Battery", Journal of The Electrochemical Society, 149 (9) (2002), pp. A1190-A1195.
TD	C25	Abraham et al., "A Polymer Electrolyte-Based Rechargeable Lithium/Oxygen Battery", Technical Papers, Electrochemical Science and Technology, J. Electrochem. Soc., Vol. 143, No. 1, January 1996, pp. 1-5.
TD	C26	Kessler, et al., "Large Microsheet Glass for 40-in. Class PALC Displays", 1997, FMC2-3, pp. 61-63.
TD	C27	Feng et al., "Electrochemical behavior of intermetallic-based metal hydrides used in Ni/metal hydride (MH) batteries: a review", International Journal of Hydrogen Energy, 26 (2001), pp. 725-734.
TD	C28	Iwakura et al., "All solid-state nickel/metal hydride battery with a proton-conductive phosphoric acid-doped silica gel electrolyte", Electrochimica Acta 48 (2003), pp. 1499-1503.
TD	C29	Li et al., "Lithium-Ion Cells with Aqueous Electrolytes", J. Electrochem. Soc., Vol. 142, No. 6, June 1995, pp. 1742-1746.
TD	C30	Zhang et al., "Electrochemical Lithium Intercalation in VO ₂ (B) in Aqueous Electrolytes", J. Electrochem. Soc., Vol. 143, No. 9, September 1996, pp. 2730-2735.
TD	C31	Urquidi-Mcdonald, Mirna, "Hydrogen storage and semi-fuel cells", http://engr.psu.edu/h2e/Pub/Macdonald1.htm , (downloaded January 27, 2004, 3 pages).
TD	C32	Urquidi-Mcdonald, et al., "Lithium/poly(organophosphazene) membrane anodes in KOH and seawater", Electrochimica Acta 47, (2002), pp. 2495-2503.
TD	C33	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14, June 22-27, 2003, Monterey, CA. (conference poster).
TD	C34	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14 Conference, Monterey, CA., June 22, 2003, Abstract of Poster.
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TD	A	2002/0012846	01.31.02	Skotheim et al.		→	

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
TD	B	WO 99/57770	11.11.99	PCT		→		

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TD	C	Inaguma et al., "High Ionic Conductivity in Lithium Lanthanum Titanate", Solid State Communications, Vol. 86, No. 10, pp. 689-693, 1993.
TD	D	Kobayashi et al., "All-solid-state lithium secondary battery with ceramic/polymer composite electrolyte", Solid State Ionics 152-153 (2002) 137-142.
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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
TD	A1	2002/102465 A1	08.01.02	Chen et al.	→	→	
TD	A2	5,213,908	05.25.93	Hagedorn			
TD	A3	3,625,769	07.12.71	Lyall, Arthur E.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
TD	B1	09320645	12.12.97	Japan (abstract)	→	→	Yes	No

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TD	C1	International Search Report dated January 16, 2006 from International Application No. PCT/US2004/033361.
Examiner /Tracy Dove/		Date Considered 09/02/2006

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TD	C1	Will, et al., "Primary Sodium Batteries with Beta-Alumina Solid Electrolyte", J. Electrochemical Science and Technology, April 1975, Vol. 122, No. 4, pages 457-461.
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							Yes	No

Other Documents

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TD	C1	European Examination Report dated March 21, 2006 from related European Application No. 03809186.4. (PLUSP027EP)
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Foreign Patent or Published Foreign Patent Application

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							Yes	No
TD	B1	EP 1 162 675 A2	12.12.2001	European		→		

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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TD	C1	International Search Report dated March 6, 2006 from International Application No. PCT/US2004/033371. (PLUSP040WO)
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TD	C2	West, et al., "Chemical stability enhancement of lithium conducting solid electrolyte plates using sputtered LiPON thin films," Journal of Power Sources, Volume 126, Issues 1-2, Pages 1-272 (16 February 2004)
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